

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-14

NPDES PERMIT NO. CA0005771

REISSUANCE OF WASTE DISCHARGE REQUIREMENTS FOR:

CATERPILLAR TRACTOR COMPANY
SAN LEANDRO, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. Caterpillar Tractor Company, hereinafter called the discharger, submitted a report of waste discharge (NPDES Short Form C) dated January 5, 1979, for reissuance of its NPDES Permit Order No. 74-23 adopted March 19, 1974, presently prescribes the discharger's waste discharge requirements.
2. The discharger discharges an average of 25,000 gallons per day of industrial waste containing pollutants into San Leandro Creek, a water of the United States, at the terminus of Alvarado Street in San Leandro, California. The waste is once-through cooling water blowdown from a recirculating cooling water system containing a number of chemicals used for the control of corrosion, foaming, and algal growths. All process wastes, including contaminated storm runoff from the oil yard area, are discharged to the City of San Leandro sanitary sewer system.
3. The Board adopted a Water Quality Control Plan for San Francisco Bay Basin in April 1975. This plan contains water quality objectives for San Leandro Creek.
4. The present and potential beneficial uses of San Leandro Creek and contiguous waters are:
 - a. Recreation
 - b. Fish migration and habitat
 - c. Habitat and resting for waterfowl and migratory birds
 - d. Esthetic enjoyment
5. Effluent limitation and toxic effluent standards established pursuant to Section 208(b), 301, 304 and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
6. This project is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board in a public meeting heard and considered all comments pertaining to the discharge.
9. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, Caterpillar Tractor Company, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act, and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

<u>Constituents</u>	<u>Units</u>	<u>30-Day Average</u>	<u>Daily Maximum</u>	<u>Instantaneous Maximum</u>
Temperature	°F (°C)	---	---	80 (27)
Oil and Grease	lbs/day (kg/day)	2.1(1.0)	3.1(1.4)	---
	mg/l	10	15	---
Suspended Solids	lbs/day (kg/day)	3.1(1.4)	6.3(2.8)	---
	mg/l	15	30	---
Settleable Solids	ml/l-hr	---	---	0.2

2. The discharge shall not have a pH of less than 6.5 nor greater than 8.5. If municipal water used for cooling exceeds a pH of 8.5, the effluent pH shall not exceed the municipal water influent pH.

B. Receiving Water Limitations

1. The discharge shall not cause:
 - a. Visible, floating, suspended, or deposited oil or other products of petroleum origin in waters of the State at any place;

- b. Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;
 - c. Toxic or other deleterious substances to be present in waters of the State in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Discharge Prohibitions

- 1. The discharge of process wastes, solvents, oils, or other products of petroleum origin to waters of the State is prohibited.
- 2. The discharge of storm runoff from the oil yard area to waters of the State is prohibited.

D. Provisions

- 1. This Order includes the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 with the exception of Sections A.5, A.12, B.2, and B.5.
- 2. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:
 - (1) is different in conditions or more stringent than any effluent limitation in this order; or
 - (2) controls any pollutant not limited in this order.
- 3. Order No. 74-23 is hereby rescinded.

4. This Order expires on February 19, 1984 and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 20, 1979.

FRED H. DIERKER
Executive Officer

Attachments:

Standard Provisions, Reporting
Requirements & Definitions dated April 1977
Revised Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Caterpillar Tractor Company

San Leandro, Alameda County

NPDES NO. CA 0005771

ORDER NO. 79-14

CONSISTS OF

PART A, January 1978

AND

PART B, ordered April 16, 1974
revised February 23, 1979

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the storm drain piping from the plant facilities between the point of discharge to San Leandro Creek and the point at which all waste tributary to the discharge is present.

II. SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATIONS TO PART A (JANUARY 1978)

1. Delete the following of Part A:

C.3, C.4, C.5.a, C.5.c, C.5.d, C.5.e, D.1, D.3, D.4, E.2.a,
E.2.b, E.4, F.3.c, F.3.g.

2. Modify Part A, F.3. to read:

"Written reports shall be filed regularly for each calendar quarter by the fifteenth day of the month following the quarter ..."

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-14.
2. Was ordered by the Executive Officer on April 16, 1974, and is hereby ordered revised and becomes effective immediately.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Date Ordered _____

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-001								
TYPE OF SAMPLES	C-24	G							
Flow Rate (mgd)	2W								
Oil and Grease (mg/l & kg/day)		M <u>1</u> /							
Total Suspended Matter (mg/l & kg/day)	2W								
Settleable Matter (ml/l-hr)		2W							
pH (units)		W							
Temperature (°C)		W							
Fish Toxicity, % Survival	3M								
Standard Observations		2W							

LEGEND FOR TABLE

G = grab sample	2W = every 2 weeks
C-24 = composite sample - 24-hr	W = once each week
	M = every month
	3M = every three months

NOTES FOR TABLE

- Oil and grease sampling shall consist of 3 grab samples taken at 8-hour intervals during the sampling day, with each grab being collected in a glass container and analyzed separately. Results shall be expressed as a weighted average of the 3 values, based upon the instantaneous flow rates occurring at the time of each grab sample.